Pursuant to the authority vested in the Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That the following compression-ignition engines and emission control systems produced by the manufacturer are certified as described below for use in off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	DISPLACEMENT (liters)	FUEL TYPE	USEFUL LIFE (hours)				
2010	ADZXL06.1059	5.702	. Diesel	8000				
	FEATURES & EMISSION	CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION					
Direct Dies Electro	el Injection, Turbochargonic Control Module, Sm Exhaust Gas Recirc	er, Charge Air Cooler, noke Puff Limiter, ulation	Loaders, Other Industrial	Loaders, Other Industrial Equipment				

The engine models and codes are attached.

The following are the exhaust certification standards (STD) and certification levels (CERT) for hydrocarbon (HC), oxides of nitrogen (NOx), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kw-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):

RATED POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
			нс	NOx	NMHC+NOx	co	PM	ACCEL	LUG	PEAK
130 ≤ kW < 225	Tier 3	STD	N/A	N/A	4.0	3.5	0.20	20	15	50
		CERT			3.3	0.4	0.07	4	2	9

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this _____ // day of January 2010.

Annette Hebert, Chief

Mobile Source Operations Division

Engine Model Summary Template

Deutz AG Nonroad CI

Engine Family 1.Engine Code 2.Engine Model

C3G1147

ADZXL06.1059

TAD660VE

7.Fuel Rate: 8
mm/stroke@p (lbx (for diesels 6.Torque @ RPM eak torque only) (SEA Gross)
7R o

E0# U-R-013-0337

boox/87/21

page 1 of

Attadiment

8.Fuel Rate:

9.Emission Control Device Per SAE J1930

67,1 DDI, TC, CAC, ECM, SPL, EGR

(lbs/hr)@peak

197,1@2300

103

3.BHP@RPM (SAE Gross)

(for diesel only)

4.Fuel Rate: mm/stroke @ peak

5.Fuel Rate: (lbs/hr) @ peak HP